

# Pan Zhou

## List of Publications by Year in descending order

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44  
papers

919  
citations

686830

13  
h-index

454577

30  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1330  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsic spin Hall conductivity plateau in topological semimetals with triply degenerate points. <i>Physica B: Condensed Matter</i> , 2022, 629, 413626.	1.3	0
2	Slater-Koster parametrization for the phonons of monolayer $\text{MoX}_2$ ( $X = \text{S, Se or Te}$ ). <i>Journal of Physics Condensed Matter</i> , 2022, 34, 195702.	0.7	1
3	Dirac Semimetals in Homogeneous Holey Carbon Nitride Monolayers. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6082-6089.	1.5	17
4	Dirac Semimetal Protected by Nonsymmorphic Mirror Symmetries in $\text{TPH}_2\text{C}$ Graphene. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100039.	1.2	7
5	Two-dimensional ferromagnetic Chern insulator: $\text{WSe}_2$ monolayer. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 402, 127344.	0.9	3
6	Nontrivial topological states in new two-dimensional CdAs. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 365701.	0.7	2
7	$1\text{T-CrO}_2$ monolayer: a high-temperature Dirac half-metal for high-speed spintronics. <i>Nanoscale Advances</i> , 2021, 3, 3093-3099.	2.2	15
8	Ideal topological phononic nodal chain in $\text{K}_2\text{O}$ materials class. <i>New Journal of Physics</i> , 2021, 23, 103043.	1.2	13
9	In-Plane Strain-Modulated Photoresponsivity of the $\pm\text{In}_2\text{Se}_3$ -Based Flexible Transistor. <i>ACS Applied Electronic Materials</i> , 2020, 2, 140-146.	2.0	26
10	Topological Phase Transition in 2D $\text{ITe}_2\text{WTe}$ . <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000010.	0.7	2
11	Valley Polarization in Monolayer Ferromagnetic $\text{FeCl}$ : A First-Principles Study. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000206.	1.2	2
12	Low-Energy GeP Monolayers with Natural Type-II Homojunctions for SunLight-Driven Water Splitting. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900470.	1.2	12
13	Coexistence of Weyl and Type-II Triply Degenerate Fermions in a Ternary Topological Semimetal $\text{YPtP}$ . <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900421.	1.2	2
14	$\text{Si-Cmma}$ : A silicon thin film with excellent stability and Dirac nodal loop. <i>Physical Review B</i> , 2019, 100, .	1.1	36
15	Electronic structures of twist-stacked $1\text{T-TaS}_2$ bilayers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2302-2308.	0.9	5
16	Strong anisotropic nodal lines in the $\text{TiBe}$ family. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 8402-8407.	1.3	10
17	New type of hybrid nodal line semimetal in $\text{Be}_2\text{Si}$ . <i>New Journal of Physics</i> , 2019, 21, 033018.	1.2	20
18	Topological dual double node-line semimetals $\text{NaAlSi(Ge)}$ and their potential as cathode material for sodium ion batteries. <i>Journal of Materials Chemistry C</i> , 2019, 7, 15375-15381.	2.7	34

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19	First-principles prediction of two atomic-thin phosphorene allotropes with potentials for sun-light-driven water splitting. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 075702.	0.7	7
20	A New Family of Two-Dimensional Topological Materials: CdX (X = F, Cl, Br, and I). <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1800466.	1.2	2
21	Two dimensional topological insulators in bilayer BiB. <i>Computational Materials Science</i> , 2019, 160, 82-85.	1.4	1
22	Coexistence of open and closed type nodal line topological semimetals in two dimensional $B_{2C}$ . <i>Journal of Materials Chemistry C</i> , 2018, 6, 1206-1214.	2.7	68
23	Two-dimensional semiconductors $XY_2$ (X = Ge, Sn; Y = S, Se) with promising piezoelectric properties. <i>Computational Condensed Matter</i> , 2017, 11, 33-39.	0.9	10
24	Ferrimagnetic half-metallic properties of Cr/Fe doped $MoS_2$ monolayer. <i>RSC Advances</i> , 2017, 7, 20116-20122.	1.7	12
25	Prediction of two-dimensional BiSb with puckered structure. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700051.	1.2	11
26	Large gap two dimensional topological insulators: the bilayer triangular lattice TIM (M = N, P, As, Sb). <i>Journal of Materials Chemistry C</i> , 2017, 5, 4268-4274.	2.7	6
27	Three-Dimensional Dirac Semimetal $PbO_2$ . <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700271.	1.2	9
28	Magnetic control of single transition metal doped $MoS_2$ through H/F chemical decoration. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 422, 243-248.	1.0	7
29	Modulating doping and interface magnetism of epitaxial graphene on SiC(0001). <i>Chinese Physics B</i> , 2016, 25, 017302.	0.7	2
30	Two Dimensional Antiferromagnetic Chern Insulator: $NiRuCl_6$ . <i>Nano Letters</i> , 2016, 16, 6325-6330.	4.5	45
31	3d Transition Metal Adsorption Induced the valley-polarized Anomalous Hall Effect in Germanene. <i>Scientific Reports</i> , 2016, 6, 27830.	1.6	10
32	Two-dimensional tricycle arsenene with a direct band gap. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8723-8729.	1.3	27
33	Electronic and transmission properties of magnetotunnel junctions of cobalt/iron intercalated bilayer two dimensional sheets. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 2661-2666.	0.9	1
34	Prediction of half-semiconductor antiferromagnets with vanishing net magnetization. <i>RSC Advances</i> , 2015, 5, 46640-46647.	1.7	21
35	Strain control of the electronic structures, magnetic states, and magnetic anisotropy of Fe doped single-layer $MoS_2$ . <i>Computational Materials Science</i> , 2015, 110, 102-108.	1.4	51
36	Effective Fermi level tuning of $Bi_2Se_3$ by introducing CdBi/CaBi dopant. <i>RSC Advances</i> , 2014, 4, 10499.	1.7	1

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37	Stable configurations and electronic structures of hydrogenated graphyne. Computational Materials Science, 2014, 91, 274-278.	1.4	7
38	Magnetic Exchange Coupling and Anisotropy of 3d Transition Metal Nanowires on Graphyne. Scientific Reports, 2014, 4, 4014.	1.6	56
39	First-principles study of native point defects in Bi <sub>2</sub> Se <sub>3</sub> . AIP Advances, 2013, 3, .	0.6	73
40	Hydrogen-Te antisite complex impurity (H-TeHg) in Hg <sub>0.75</sub> Cd <sub>0.25</sub> Te: First-principles study. Journal of Physics and Chemistry of Solids, 2013, 74, 1086-1092.	1.9	4
41	Surface work function of chemically derived graphene: A first-principles study. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 1760-1765.	0.9	7
42	Stability, electronic structures and transport properties of armchair (10, 10) BN/C nanotubes. Journal of Solid State Chemistry, 2013, 200, 294-298.	1.4	10
43	Magnetic Properties of Single Transition-Metal Atom Absorbed Graphdiyne and Graphyne Sheet from DFT+U Calculations. Journal of Physical Chemistry C, 2012, 116, 26313-26321.	1.5	264
44	Computational discovery of spin-polarized semimetals in spinel materials. Materials Advances, 0, , .	2.6	0